



# Product Summary

- Filtration
- Fluid Management
- CMP Division

# EVERYTHING UNDER CONTROL

Quality is the basic characteristic of all our products.

The series of analyses, checks and inspections that MP Filtri subjects all its products to is a telling example of the way quality has always been a crucial part of the company ethos.

The great attention paid to quality-related problems has led to MP Filtri obtaining the ISO 9001 Quality System certification and, more recently, the Vision 2000 certification, which governs all the company functions.

This incessant control activity, from the first stages of production right through to the packing and shipment of the end product, is the best possible guarantee of quality for MP Filtri customers.

## LOOKING AHEAD

The success achieved paints a picture of a company that is not only strong but also flexible, and the ability to be flexible is an increasingly important factor on the market.

The consolidation of the branches in the USA, Canada, UK, France, Germany and China, together with the opening of sales offices in India and Russia, are proof of MP Filtri resolve to set up an ever more comprehensive network of presences, both in geographical and sectorial terms, with a constant eye to new zones and markets in which to emerge.

MP Filtri guiding principles are never to stop, to aim constantly for innovative, high-quality products, to respect the customer by being ready at all times to respond to his or her demands in terms of both product design and after-sales service and, above all, to base its activities on a team of capable, motivated people with a strong belief in their work and their company.

For more than forty years, MP Filtri has been present on the hydraulic filtration market with a range of products able to satisfy manufacturers' needs in all areas.

# RESEARCH AS A PRIORITY

MP Filtri designs, develops and constructs all its products, controlling the whole of the production process in its own foundry, its plastic injection press department, its machining workshop, its filter element production lines and its product assembly lines.

The MP Filtri range of components are all used in the design and development of industrial hydraulic systems in mobile and construction equipment.

MP Filtri has always paid particular attention to research and development, because it is only by keeping product quality high that customer loyalty can be won and maintained.

The MP Filtri laboratory has the most modern apparatus and instruments, manned by technicians with a wealth of specific experience.



In the field of filtration, contamination monitoring, accessories and structural components, MP Filtri knows the answers and provide the skills required for industry which is rapidly evolving in the following sectors:

- Steel
- Machine tools
- Naval Engineering
- Presses
- Engineering Off Shore
- Construction equipment
- Agricultural machinery
- Energy
- Test Benches
- Aeronautical engineering

# SUCTION FILTERS



## STR



Submerged suction filter, flow rates up to 900 l/min (238 gpm), threaded connections from 1/2" to 3" BSP/NPT.

## SF2 250



Semi-submerged positive head suction filter, flow rates up to 160 l/min (43 gpm), threaded connections up to 1 1/2" BSP/NPT/SAE and SAE 3000 PSI flanged connections.



## SF2 500



Semi-submerged positive head suction filter, flow rates up to 850 l/min (225 gpm), flanged connections up to 4" SAE 3000 PSI.

## FAS



External suction filter, flow rates up to 550 l/min (145 gpm), threaded connections up to 1/2" to 2 1/2" BSP/NPT and flanged connections up to 3 1/2" SAE 3000 PSI.



# RETURN FILTERS



## MPF



Tank mounted return filter, with oil flow external to internal filtering element.

Working pressure 8 bar (116 psi), flow rates up to 750 l/min (198 gpm), threaded connections from 1/2" to 2" BSP/NPT/SAE and flanged connections up to 2" SAE 3000 PSI.

## MPT



Tank mounted return filter with oil flow external to internal filtering element.

Working pressure 8 bar (116 psi), flow rates up to 200 l/min (53 gpm), threaded connections from 3/8" to 1 1/4" BSP/NPT/SAE.

# MPH - MPI



Tank mounted return filter with oil flow internal to external filtering element.

Working pressure 10 bar (145 psi), flow rates up to 2000 l/min (530 gpm), threaded connections from 1/2" to 1 1/2" BSP/NPT/SAE and flanged connections SAE 3000 PSI/DIN up to 4".

# FRI



In line or tank mounted return filter with oil flow external to internal filtering element.

Working pressure 20 bar (290 psi), flow rates up to 1500 l/min (397 gpm), threaded connections from 1/2" to 2 1/2" BSP/NPT/SAE and flanged connections up to 3 1/2" SAE 3000 PSI.



# IN-LINE FILTERS



## LMP 110 - 120 - 123 Multiport



In-line filter, working pressure  
80 bar (1160 psi), flow rates up to 200 l/min (53 gpm),  
threaded connections 3/4" and 1" BSP/NPT/SAE.

## LMP 210



In-line filter, working pressure  
60 bar (870 psi), flow rates up to 300 l/min (80 gpm),  
threaded connections from 1" to 1 1/2" BSP/NPT/SAE  
and flanged connections up to 1 1/2" SAE 3000 PSI.



## LMP 400 - 430



In-line filter, working pressure  
50/60 bar (725/870 psi), flow rates up to  
740 l/min (195 gpm), threaded connections from  
1 1/2" and 2" BSP/NPT/SAE and flanged connections  
2" and 2 1/2" SAE 3000 PSI.

## LMP 900



In-line filter, working pressure  
30 bar (435 psi), flow rates up to 2000 l/min (528 gpm),  
flanged connections 3" and 4" SAE 3000 PSI.

## LMP 950



In-line simplex or modular filter, from 2 to 6 heads  
working pressure 30/25 bar (435/362 psi),  
flow rates up to 2400 l/min (634 gpm),  
flanged connections 3" and 4" SAE 3000 PSI.

## LMD



In-line duplex filter, working pressure  
16 bar (232 psi), flow rates up to 1200 l/min (315 gpm),  
flanged connections 2 1/2", 3" and 4"  
SAE 3000 PSI DIN PN 16.

# PRESSURE FILTERS



## FMP 039



In-line filter, working pressure 110 bar (1595 psi), flow rates up to 90 l/min (24 gpm), threaded connections 1/2" BSP/NPT/SAE.

## FHP 010



In-line filter, working pressure 420 bar (6000 psi), flow rates up to 40 l/min (11 gpm), threaded connections up to 3/8" BSP/NPT/SAE.

## FMM



In-line filter, working pressure  
420 bar (6091 psi), flow rates up to 150 l/min (40 gpm),  
threaded connections up to 3/4" BSP/NPT/SAE/ISO 6179.

## FMP



In-line filter, working pressure  
280 bar (4061 psi), flow rates up to 475 l/min (126 gpm),  
threaded connections up to 1 1/2" BSP/NPT/SAE and  
flanged connections up to 1 1/2" SAE 3000 PSI.

## FHA



In-line filter, working pressure 520 bar (7540 psi),  
flow rates up to 150 l/min (40 gpm), threaded connections  
up to 3/4" BSP/NPT/SAE/ISO 6179.

## FHP



In-line filter, working pressure 420 bar (6091 psi),  
flow rates up to 475 l/min (126 gpm), threaded  
connections up to 1 1/2" BSP/NPT/SAE and flanged  
connections up to 1 1/4" SAE 6000 PSI.

## FHP 500



In-line filter, working pressure  
420 bar (6091 psi), flow rates up to 750 l/min (199 gpm),  
threaded connections up to 1 1/2" BSP/NPT/SAE and  
flanged connections up to 2" SAE 6000 PSI.

## FHM



Manifold mounted filter, working pressure  
320 bar (4641 psi), flow rates up to 430 l/min (114 gpm),  
manifold connections.

## FHB



Side manifold mounted filter, working pressure  
320 bar (4641 psi), flow rates up to 490 l/min (130 gpm),  
side manifold connections.

## FHF 320



In-line filter, working pressure 350 bar (5076 psi),  
flow rates up to 500 l/min (133 gpm), threaded  
connections 1 1/2" BSP/NPT/SAE and flanged  
connections 2" SAE 6000 PSI manifold type.





In line duplex filter, working pressure 350 bar (5076 psi), flow rates up to 345 l/min (92 gpm), threaded connections from 1/2" to 1 1/4" BSP/NPT/SAE and flanged connections 1 1/2" SAE 6000 PSI.



# SPIN-ON FILTERS



## MPS



Either suction or return line in-line mounted Spin-On, working pressure 12 bar (174 psi), flow rates up to 300 l/min (80 gpm), threaded connections from 3/4" and 1 1/2" BSP/NPT/SAE and flanged connections 1 1/2" SAE 3000 PSI.

## MST



Tank mounted return filter Spin-On, working pressure 12 bar (174 psi), flow rates up to 200 l/min (53 gpm), threaded connections from 3/4" and 1 1/2" BSP/NPT/SAE and flanged connections 1 1/2" SAE 3000 PSI.

# MSH



In-line filter Spin-On, working pressure  
35 bar (508 psi), flow rates up to 250 l/min (66 gpm),  
threaded connections from 3/4" to 1 1/2" BSP/NPT/SAE.

## CT - CH - CS - CG



Filter element Spin-On, working pressure  
12/35 bar (174/508 psi), flow rates up to  
250 l/min (66 gpm), threaded connections  
3/4" BSP 1" - 12 UNF  
1 1/4" BSP 1 1/2" - 16 UN



## SUCTION/RETURN FILTERS

### MRS 115



Tank top filter “Suction/Return”, working pressure 10 bar (145 psi), flow rates up to 120 l/min (32 gpm), threaded connections 1” BSP/NPT/SAE.

### LMP 124



In-line filter “Suction/Return”, working pressure 80 bar (1160 psi), flow rates up to 160 l/min (42 gpm), threaded connections 1” BSP/NPT.

## STAINLESS STEEL FILTERS

### FZ ... INOX



In-line manifold and duplex stainless steel filters, working pressure from 60 bar (870 psi) to 1000 bar (15000 psi), threaded connections from 1/4” to 3/4” BSP-NPT-SAE-AUTOCLAVE.



# DIFFERENTIAL INDICATORS

**N - E - V ...**



Brass and stainless steel differential available, with visual, electrical, electrical/visual and electronic reading.

Electrical protection IP 65 and IP 67.

Also available with temperature lockout options.

## MP REFIT ELEMENT

**MP REFIT**



Interchangeable filter elements manufactured to conform with international ISO standards:

- 2941
- 2942
- 2943
- 3723
- 3724
- 3968
- 16889



# CONDITION MONITORING & MOBILE FILTRATION UNITS



## LPA 2



Particle counter calibrated to ISO 11171 standard,  
working pressure from 2 bar (29 psi) to 400 bar (5801 psi).  
Contamination reports data in ISO 4406,  
NAS 1638 and AS4059 formats.  
Oil temperature and relative humidity reading sensors.

# CML 2



The CML2 contamination Analyser is designed to measure and quantify the number of solid contaminants in Hydraulic, Lubrication and Transmission applications. The CML2 is a portable, accurate instrument suitable for “on-site” applications utilising mineral oil as the operating fluid.

## 110 ml BOTTLE SAMPLER



Accessories to be used together with LPA2 and CML2 counters for the statistical analysis of oils available for 110 ml containers.

## 250 ml BOTTLE SAMPLER



Accessories to be used together with LPA2 and CML2 counters for the statistical analysis of oils available for 250 ml containers.

## ICM



The ICM automatically measures and displays particulate contamination, moisture and temperature levels in various hydraulic fluids. It is designed specifically to be mounted directly to systems, where ongoing measurement or analysis is required, and where space and costs are limited.

# AZ2



## ATEX Fluid Condition Monitors

- Zone II 3G rated
- Available in ICM or LPA2 models
- PLC Control across various communication protocols
- Supplied Calibrated

# VPAF



Mobile unit for the measurement and optical display of contamination in oils on 47 mm membranes. The unit contains equipment for the static and dynamic sampling of oils in hydraulic systems and tanks.





## GRF 15



The GRF 015 is a portable oil transfer/filtration unit, specifically designed for both filling/transferring hydraulic oils from containers to the hydraulic tank as well as filtering and cleaning hydraulic systems.

Flow rate 15 l/min.

Pressure max. 5 bar.

Electrical motor: single phase.

## UFM 040



UMF 040 mobile filtration units suitable for filling and refilling of filtered hydraulic fluids and lubrication tanks.

Flow rate 33 l/min.

Pressure max. 5 bar.

Electrical motor: single and 3 phase.

## UFM 050



UFM 050 mobile filtration units suitable for filling and refilling of filtered hydraulic fluids and lubrication tanks.

Flow rate 50 l/min.

Pressure max. 10 bar.

Electrical motor: single and 3 phase.

Use 3 phase if continued used is required

Suitable with IN LINE CONTAMINATION MONITOR.

## UFM 090 - 180 - 918



UMF 090 – 180 mobile filtration units suitable for filling and refilling of filtered hydraulic fluids and lubrication tanks.

Flow rate 90/180 l/min.

Pressure max. 10 bar.

Electrical motor: 3 phase

UFM 918 two-speed electric motor with programmable flow of 90 or 180 l / min.

Pressure max. 10 or 6 bar.

Electrical motor: 3 phase

Suitable with IN LINE CONTAMINATION MONITOR.

## ACCESSORIES

### TA-TAP-SA-SAP



Metal and nylon filler plugs and air filters, filtration from 3 to 40  $\mu$ , air flow up to 15000 l/min (4000 gpm).

### TKF-TKT-TSD



Nylon oil filler plugs, threaded, for filling hydraulic mini-power pack reservoirs and gearbox units.

### LVA-LVU



Oil level gauges with or without incorporated thermometers, tank fitting distances from 76 mm (3 in) to 2000 mm (78.74 in).

### LCC-LCP



Circular oil level gauges with BSP and metric thread from 1/2" to 2".

## EM1 - SVM 3/6



Threaded and flanged pressure gauge selectors,  
1 - 3 - 6 positions.

Glycerine filled pressure gauges, 63 mm (2.48 in) and  
100 mm (3.94 in), scale ranges from 25 bar (357 psi) to  
600 bar (8570 psi).

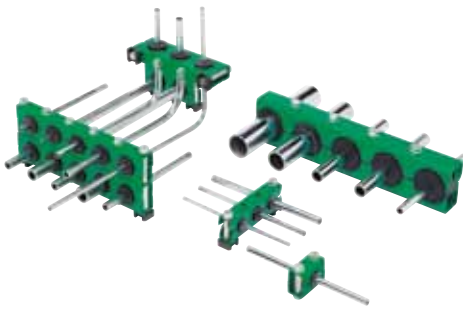
## FTA - FTR



Vibration-dampened flexible brackets for fitting rigid  
suction and return pipes on tank cover.

Diameters from 6 mm (0.024 in) to 89 mm (3.5 in).

## MULTIFIX



Metal clamps with NBR insert for fitting rigid and  
flexible pipes.

Possibility of single or modular fitting with  
superimposed pipes.

Diameters from 6 mm (0.024 in) to 50 mm (2 in).

## LEN - LEU



Electrical level gauges for tanks.

Single or double float versions with incorporated heat  
sensor option.

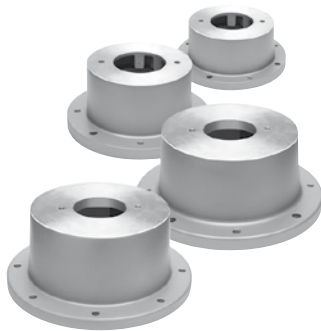
# BELL - HOUSING & COUPLING

## LMC



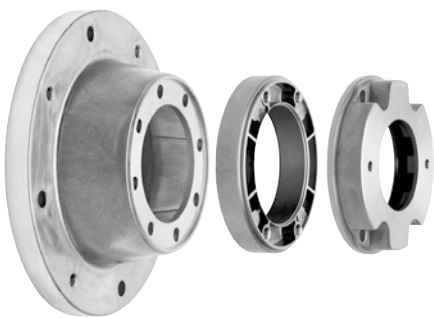
Monobloc bell-housings for gear pumps, UNEL-MEC electric motors from 0.12 to 22 Kw.

## LMC



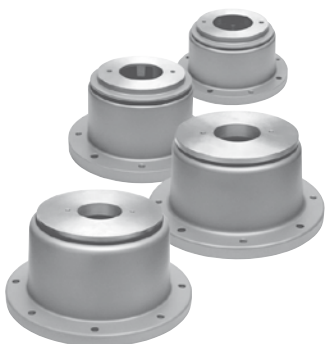
Monobloc bell-housings for piston, screw and vane pumps, UNEL-MEC electric motors from 0.5 to 45 Kw.

## BMT



2 and 3 moduls bell-housings for piston and screw pumps, UNEL-MEC electric motors from 5.5 to 400 Kw.

## LMS



Silenced bell-housings for piston and screw pumps, UNEL-MEC electric motors from 0.5 to 200 Kw.

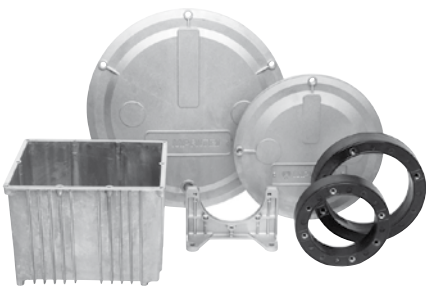


# SGEA - SGEG



Aluminium, cast iron and steel linkages for power transmission from 0.12 to 400 Kw.

# PDMA - SE - OB



10-litre aluminium tank, inspection doors of diameter 350 and 475 mm conforming with DIN 24339 and feet for mounting bell-housings on B3 motors with power range from 0.25 to 22 Kw.

# ANMA



Vibration-dampened rings for mounting single pump unit on tank cover, with power range from 0.5 to 22 Kw UNEL-MEC electric motors.



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